BBA

Molecular Basis of Disease

Vol. 1139, 1992

Cumulative Contents

Regular Papers

Comparative studies on the extractability of collagen from aortas of stroke-prone spontaneously hypertensive and normotensive rats
S. Matsumura, H. Higashino, T. Takashima, N. Ikeda, N. Fujitani and M. Muguruma (Japan) 1

Alteration in molecular structure which results in disease: the Met-30 variant of human plasma transthyretin
J.A. Hamilton, L.K. Steinrauf, J. Liepnieks, M.D. Benson, G. Holmgren, O. Sandgren and L. Steen (USA, Sweden) 9

Identification of Hb Hamilton or β11(A8)Val → Ile gene by the polymerase chain reaction amplification technique
L. Manca, E. Cocco, G. Cossu and B. Masala (Italy) 17

Glucuronidation of 3′-azido-3′-deoxythymidine in human liver microsomes: enzyme inhibition by drugs and steroid hormones
R. Herber, J. Magdalou, M. Haumont, R. Bidault, H. van Es and G. Siest (France, Canada) 20

Alterations in erythrocyte membrane lipid composition and fluidity in primary lipoprotein lipase deficiency
B. Cantin, L.-D. Brun, C. Gagné, M.R.V. Murthy, P.-J. Lupien and P. Julien (Canada) 25

Accumulation of transcripts coding for prion protein in human astrocytes during infection with human immunodeficiency virus
W.E.G. Müller, K. Pfeifer, J. Forrest, P.G. Rytik, V.F. Eremin, S.A. Popov and H.C. Schröder (Germany, UK, Byelorussia) 32

Chloride transport in control and cystic fibrosis human skin fibroblast membrane vesicles
M. Vasseur, M. Caüzac, I. Garcia and F. Alvarado (France) 41

Regulation of chloride transport in cultured normal and cystic fibrosis keratinocytes
M. Kansen, J. Keulemans, A.T. Hoogeveen, B. Scholte, A.B. Vaandrager, A.W.M. van der Kamp, M. Sinaasappel, A.G.M. Bot, H.R. De Jonge and J. Bijman (Netherlands) 49

Exposure of HIV-infected cells to phospholipid leads to membrane alterations and selective growth retardation
F. Kerler, C. Hübner, V. Erfle and K. Buff (Germany) 57

Modifications in platelet membrane transport functions in insulin-dependent diabetes mellitus and in gestational diabetes
L. Mazzanti, R. Staffolani, R.A. Rabini, A.M. Cugini, N. Cester, C. Romanini, E. Faloia and R. De Pirro (Italy) 65

An EPR investigation of spin-labelled erythrocytes as a diagnostic technique for malignant hyperthermia
P. Cooper, J. Kudynska, H.A. Buckmaster and R. Kudynski (Canada) 70

Differences in the repertoires of basement membrane degrading enzymes in two carcinoma sublines with distinct patterns of site-selective metastasis
P. Brodt, R. Reich, L.A. Moroz and A.F. Chambers (Canada, Israel) 77

Hyaluronate synthesized by cultured skin fibroblasts derived from patients with Werner's syndrome
T. Nakamura, K. Takagaki, K. Kubo, T. Saito, M. Endo, S. Mori, N. Morisaki, Y. Saito and S. Yoshida (Japan) 84

Expression of different isoenzymes of adenylate deaminase in cultured human muscle cells. Relation to myoadenylate deaminase deficiency
A.E.M. Jacobs, A. Oosterhof, A.A.G.M. Benders and J.H. Veerkamp (Netherlands) 91

Proteoglycans synthesized by the hepatic granulomas isolated from schistosome-infected mice and by the granuloma-derived connective tissue cell lines
L.-C.F. Silva, R. Borojevic and P.A.S. Mourão (Brazil) 96

^{31}P-NMR spectroscopy of perifused rat hepatocytes immobilized in agarose threads: application to chemical-induced hepatotoxicity
H. Farghali, L. Rossaro, J.S. Gavaler, D.H. Van Thiel, S.R. Dowd, D.S. Williams and C. Ho (USA) 105

Variations in the relative amounts of biotin-containing enzymes present in both tumorigenic and non-tumorigenic hybrid cells and other cell lines
M.E. Bramwell and S.M. Humm (UK) 115

Purification of proteinase-like and Na^+/K^+-ATPase stimulating substance from plasma of insulin-dependent diabetics and its identification as α_1-antitrypsin
P. Finotti, P. Carraro and A. Calderan (Italy) 122

Characterization of ATP-diphosphohydrolase activities in the intima and media of the bovine aorta: evidence for a regulatory role in platelet activation in vitro
Y.P. Côté, J.G. Filep, B. Battistini, J. Gauvreau, P. Sirois and A.R. Beaudoin (Canada) 133

Distribution of the ATPase inhibitor proteins of mitochondria in mammalian tissues including fibroblasts from a patient with Luft's disease
E.W. Yamada and N.J. Huzel (Canada) 143

Phospholipase D signaling in ischemic heart
I.I. Moraru, L.M. Popescu, N. Maulik, X. Liu and D.K. Das (USA, Romania) 148

Steady-state transcript levels of cytochrome *c* oxidase genes during human myogenesis indicate subunit switching of subunit VIa and co-expression of subunit VIIa isoforms
J.-W. Taanman, N.H. Herzberg, H. De Vries, P.A. Bolhuis and C. Van den Bogert (Netherlands) 155

Substratum acidification by murine B16F10 melanoma cultures
P.R. Young and S.M. Spevacek (USA) 163

Erratum 167

Review

P-glycoprotein as multidrug transporter: a critical review of current multidrug resistant cell lines
D. Nielsen and T. Skovsgaard (Denmark) 169

Regular Papers

Molecular basis of 3-ketothiolase deficiency: identification of an AG to AC substitution at the splice acceptor site of intron 10 causing exon 11 skipping
T. Fukao, S. Yamaguchi, T. Orii, T. Osumi and T. Hashimoto (Japan) 184

Assay for L-pipecolate oxidase activity in human liver: detection of enzyme deficiency in hyperpipecolic acidaemia
V.V. Rao and Y.-F. Chang (USA) 189

Restoration of mitochondrial energy-linked reactions following dexamethasone treatment of rats infected with the liver fluke *Fasciola hepatica*
M.J.E. Hanisch, F. Topfer, L.M. Lenton, C.A. Behm and F.L. Bygrave (Australia) 196

Tissue-selective action of pravastatin due to hepatocellular uptake via a sodium-independent bile acid transporter
K. Ziegler and W. Stünkel (Germany) 203

Calpain II induced insolubilization of lens β-crystallin polypeptides may induce cataract
L.L. David, J.W. Wright and T.R. Shearer (USA) 210

Induction of hepatic and pulmonary ceruloplasmin gene expression in developing guinea pigs following premature delivery
C.D. Bingle, F. Kelly, O. Epstein and S.K.S. Srai (UK) 217

The human glutathione *S*-transferases: comparison of isoenzyme expression in normal and astrocytoma brain
R.C. Strange, A.A. Fryer, B. Matharoo, L. Zhao, J. Broome, D.A. Campbell, P. Jones, I.C. Pastor and R.V.P. Singh (UK) 222

Absence of tRNA-guanine transglycosylase in a human colon adenocarcinoma cell line
U. Gündüz, M.S. Elliott, P.H. Seubert, J.A. Houghton, P.J. Houghton, R.W. Trewyn and J.R. Katze (USA) 229

Use of cytosolic metabolite patterns to estimate free magnesium in normoxic myocardium
R.T. Mallet, Y.-H. Kang, N. Mukohara and R. Bünger (USA) 239

Rapid Report

Primaquine-induced superoxide production by β-thalassemic red blood cells
L.N. Grinberg, O. Shalev, A. Goldfarb and E.A. Rachmilewitz (Israel) 248

Regular Papers

The amino-terminal peptide of HIV-1 glycoprotein 41 lyses human erythrocytes and $CD4^+$ lymphocytes
P.W. Mobley, C.C. Curtain, A. Kirkpatrick, M. Rostamkhani, A.J. Waring and L.M. Gordon (USA, Australia) 251

The amino-terminal peptide of HIV-1 glycoprotein 41 interacts with human erythrocyte membranes: peptide conformation, orientation and aggregation
L.M. Gordon, C.C. Curtain, Y.C. Zhong, A. Kirkpatrick, P.W. Mobley and A.J. Waring (USA, Australia) 257

Molecular basis of apparent isolated 17,20-lyase deficiency: compound heterozygous mutations in the C-terminal region (Arg(496) → Cys, Gln(461) → Stop) actually cause combined 17α-hydroxylase/17,20-lyase deficiency
T. Yanase, M.R. Waterman, M. Zachmann, J.S.D. Winter, E.R. Simpson and M. Kagimoto (USA, Switzerland, Canada) 275

Identification of five rare mutations including a novel frameshift mutation causing β^0-thalassemia in Thai patients with β^0-thalassemia/hemoglobin E disease
P. Winichagoon, S. Fucharoen, P. Wilairat, K. Chihara, Y. Fukumaki and P. Wasi (Thailand, Japan) 280

Human prostatic aldehyde dehydrogenase of healthy controls and diseased prostates
M.T. Ryzlak, W. Ambroziak and C.P. Schaffner (USA) 287

Cleavage of type VIII collagen by human neutrophil elastase
R. Kittelberger, T.J. Neale, K.T. Francky, N.S. Greenhill and G.J. Gibson (New Zealand, Australia) 295

Purification and identification of a CD25 expression inhibitory protein from cell-free supernatants of chronically HIV-infected promonocytic cells
J. Célérier, C. Cibert, F. Barré-Sinoussi, A. Ammar and C. Jasmin (France) 300

Sequencing of the variant thyroxine-binding globulin (TBG)-San Diego reveals two nucleotide substitutions
R. Bertenshaw, D. Sarne, J. Tornari, M. Weinberg and S. Refetoff (USA) 307

Multiple short direct repeats associated with single mtDNA deletions
N.-G. Larsson and E. Holme (Sweden) 311

A single–base-pair substitution abolishes D-amino-acid oxidase activity in the mouse
M. Sasaki, R. Konno, M. Nishio, A. Niwa, Y. Yasumura and J. Enami (Japan) 315

Rapid Reports

Ionic selectivity of volume-sensitive currents in human epithelial cells
A. Rasola, L.J.V. Galietta, D.C. Gruenert and G. Romeo (Italia, USA) 319

L-Dopa binding sites in rodent melanoma cells
A. Slominski and D. Pruski (USA) 324

Cumulative Contents, Vol. 1138 329

Author Index 332